What is claimed is:

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- 1. A plasma display panel comprising:
- a pair of substrates
- a discharge gas being filled in a gap between the substrates; and

a mesh-patterned partition arranged on the inner surface of one of the substrates for dividing the gap into plural squares corresponding to a cell arrangement, wherein the partition is a structure having low portions lowered for forming a mesh-like air path that travels all gas-filled space enclosed by the partition in a plan view.

- 2. The plasma display panel according to claim 1, wherein the difference between the heights of the upper surface of the partition is more than 5% of the maximum height.
- 3. The plasma display panel according to claim 1, wherein the difference between the heights of the upper surface of the partition is more than 10 μm .
- 4. The plasma display panel according to claim 1,
 wherein a fluorescent material is arranged on the row direction side and the column direction side of the partition in each cell that constitutes the display surface.
 - 5. The plasma display panel according to claim 1, wherein the plan view pattern of the partition is a check pattern that divides the gap into cells in the row direction and in the column direction of the matrix display and an inter-row portion of the partition that is a boundary wall between rows is lower than other portions.
- 6. The plasma display panel according to claim 5, wherein the inter-row portion has a plan view pattern enclosing

at least one space for each column.

- 7. The plasma display panel according to claim 6, wherein the plan view pattern of the inter-row portion is a ladder pattern.
- 8. The plasma display panel according to claim 5, wherein the partition is arranged on the back substrate, an electrode including a transparent conductive film and a metal film straddling over all columns is arranged on the front substrate, and the metal film and the inter-row portion are overlaid in the plan view.
- 9. The plasma display panel according to claim 1, wherein the partition is a baked material having a heat shrink property, and the width of the low portions of the partition is wider than that of the other portion of the partition.
- 10. A method for manufacturing a plasma display panel according to claim 1, the method comprising the steps of:

forming a layer made of a partition material having a heat shrink property on a substrate;

patterning the layer to be a mesh pattern having a large pattern width portion at the ring-shaped pattern enclosing a cell in the plan view; and

forming the partition by baking the patterned layer.

11. The method according to claim 10, wherein the patterning step includes the steps of placing a cutting mask corresponding to the mesh pattern on the layer, and cutting non-masked portions of the layer by sandblasting.

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